

PATENT OFFICE

100

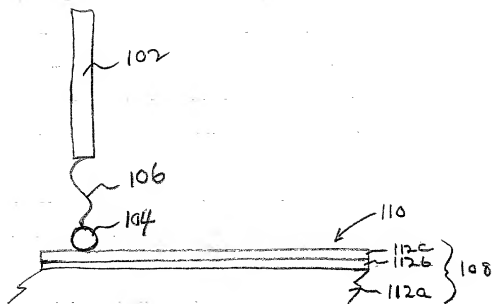


FIG. 1A

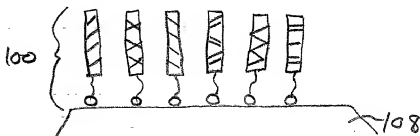


FIG. 1B

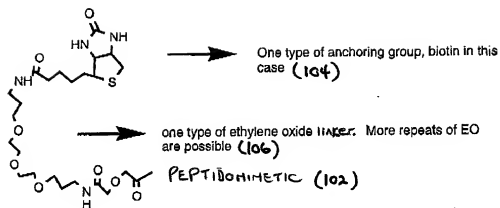


FIG. 1C

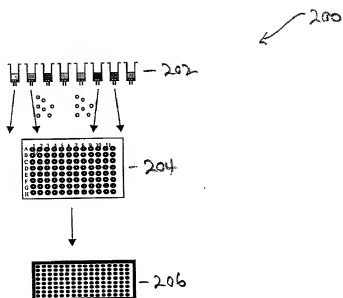


FIG. 2



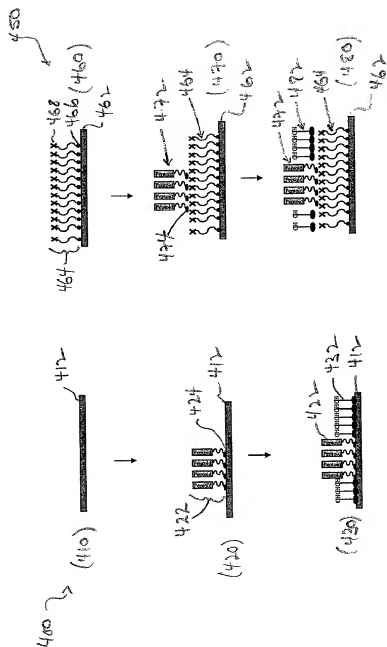


FIG. 4B

FIG. 4A

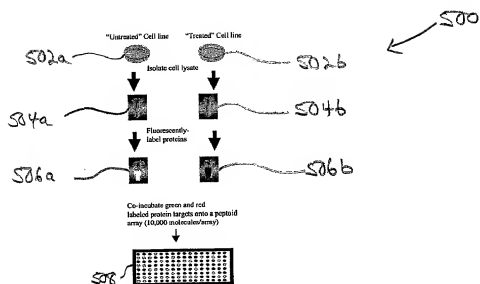
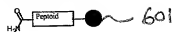


FIG. 5

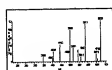
Prepare columns with peptides identified on the chip



III



**SEQUENCE**  
Mass Spec,  
Bioinformatics



Identification of Novel  
Proteins

} 604

FIG. 6

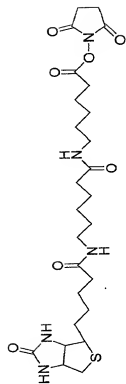
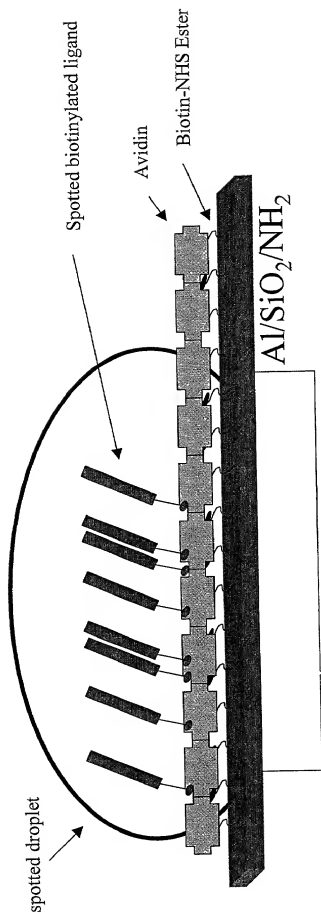


FIG. 7B

FIG. 7A



## Characterization of P-10 Column for Protein Purification

### Column:

L=5cm

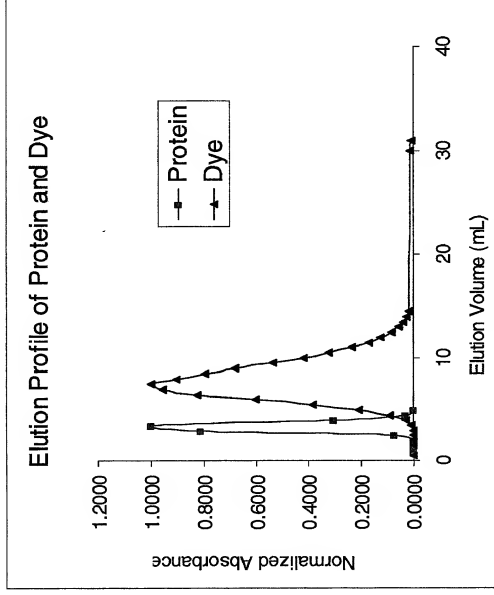
D=1.7cm

(Pharmacia)

Load = 1mL

0.5 mL Fractions

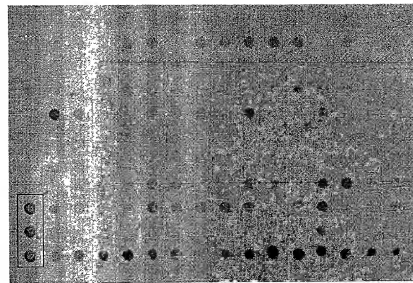
Dilution Factor = 3.5



Protein (BSA) determined by BCA Analysis  
Cy3 Dye determined by Absorbance at 552 nm

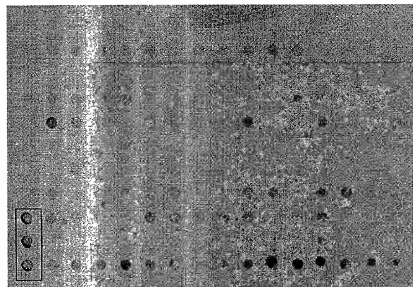
Fig. 8

Cy5-labelled wnt



Biotin-  
Peptide →

Cy3-labelled control



STREPTAVIDIN ONLY CONTROL

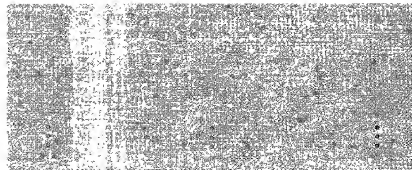


FIG. 9A

FIG. 9B

FIG. 9C

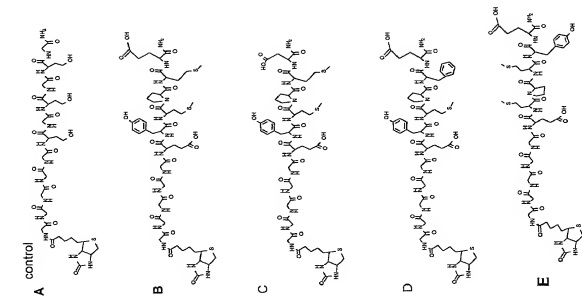
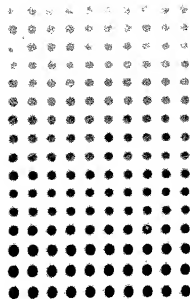


FIG. 10



EYMPME-biotin anchor  
Biotin / Avidin-derivatized surface

EYMPME - thiopropyl anchor  
Maleimide-derivatized surface

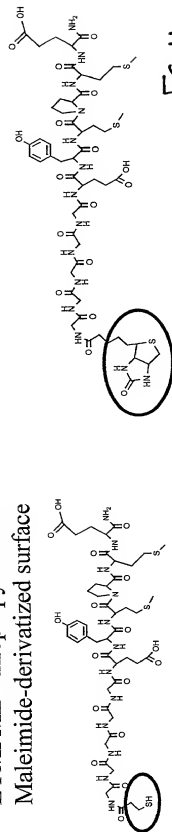


Fig. 11